

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV112025\
 Data File : VV039416.D
 Acq On : 20 Nov 2025 10:19
 Operator : SY/MD
 Sample : Q3589-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 21 03:12:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 21 03:08:38 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/21/2025
 Supervised By :Mahesh Dadoda 11/21/2025

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	279985	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	313568	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	171477	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	193296	5.024	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	= 100.400%		
7) Chloroethane-d5	1.545	69	179870	5.338	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	= 106.800%		
11) 1,1-Dichloroethene-d2	2.072	65	93411	5.348	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	= 107.000%		
20) 2-Butanone-d5	3.786	46	302063	48.301	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	= 96.600%		
24) Chloroform-d	4.249	84	437801	5.238	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 104.800%		
26) 1,2-Dichloroethane-d4	4.940	65	193859	5.284	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 105.600%		
32) Benzene-d6	4.957	84	773856	5.263	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	= 105.200%		
36) 1,2-Dichloropropane-d6	5.982	67	248772	5.534	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	= 110.600%		
41) Toluene-d8	7.236	98	629506	4.666	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	= 93.400%		
43) trans-1,3-Dichloroprop...	7.551	79	78272	4.879	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	= 97.600%		
46) 2-Hexanone-d5	8.011	63	221132	45.817	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	= 91.640%		
56) 1,1,2,2-Tetrachloroeth...	10.143	84	158063	5.243	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	= 104.800%		
66) 1,2-Dichlorobenzene-d4	11.548	152	212579	5.859	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	= 117.200%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.121	85	8610	0.285	ug/L #	84
3) Chloromethane	1.230	50	6248	0.280	ug/L	93
5) Vinyl chloride	1.297	62	7454m	0.287	ug/L	
6) Bromomethane	1.500	94	5422	0.362	ug/L	95
8) Chloroethane	1.561	64	5128m	0.269	ug/L	
9) Trichlorofluoromethane	1.728	101	16382	0.323	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	12155	0.365	ug/L	85
12) 1,1-Dichloroethene	2.082	96	9554	0.401	ug/L #	1
14) Carbon disulfide	2.256	76	12734	0.322	ug/L	99
15) Methyl Acetate	2.400	43	3580	0.347	ug/L #	89
16) Methylene chloride	2.461	84	14108	0.409	ug/L	92
17) Methyl tert-butyl Ether	2.715	73	15996	0.279	ug/L #	89
18) trans-1,2-Dichloroethene	2.712	96	7054	0.279	ug/L	93
19) 1,1-Dichloroethane	3.127	63	16307	0.258	ug/L	93
21) 2-Butanone	3.912	43	17391m	2.734	ug/L	
22) cis-1,2-Dichloroethene	3.828	96	9434	0.306	ug/L	86
23) Bromochloromethane	4.166	128	4037m	0.288	ug/L	
25) Chloroform	4.285	83	24097	0.349	ug/L	94
27) 1,2-Dichloroethane	5.066	62	11204m	0.320	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.519	97	18907	0.324	ug/L #	87
30) Cyclohexane	4.577	56	8126m	0.244	ug/L	
31) Carbon tetrachloride	4.735	117	16768	0.326	ug/L	92
33) Benzene	5.021	78	31263	0.271	ug/L	100
34) Trichloroethene	5.847	95	9278	0.294	ug/L	84
35) Methylcyclohexane	6.037	83	10181m	0.287	ug/L	
37) 1,2-Dichloropropane	6.101	63	8397	0.246	ug/L #	88
38) Bromodichloromethane	6.436	83	16497	0.348	ug/L	92
39) cis-1,3-Dichloropropene	6.966	75	12390	0.286	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	37173m	2.450	ug/L	
42) Toluene	7.320	91	33490	0.272	ug/L	97
44) trans-1,3-Dichloropropene	7.593	75	9535	0.247	ug/L	85
45) 1,1,2-Trichloroethane	7.776	97	6378	0.255	ug/L	94
47) Tetrachloroethene	7.902	164	9021	0.318	ug/L	94
48) 2-Hexanone	8.079	43	30449	2.703	ug/L #	94
49) Dibromochloromethane	8.172	129	10140	0.320	ug/L	95
50) 1,2-Dibromoethane	8.288	107	5922	0.282	ug/L #	99
51) Chlorobenzene	8.808	112	25136	0.283	ug/L	94
52) Ethylbenzene	8.947	91	34016	0.255	ug/L	100
53) m,p-Xylene	9.075	106	10989	0.214	ug/L	95
54) o-Xylene	9.474	106	10873	0.220	ug/L	93
55) Styrene	9.503	104	17949	0.205	ug/L	87
57) 1,1,2,2-Tetrachloroethane	10.165	83	9850	0.330	ug/L #	96
59) Bromoform	9.661	173	5370	0.349	ug/L #	94
60) Isopropylbenzene	9.860	105	30185	0.274	ug/L	97
61) 1,2,3-Trichloropropane	10.204	75	4143	0.270	ug/L #	63
62) 1,3,5-Trimethylbenzene	10.468	105	21516	0.254	ug/L	93
63) 1,2,4-Trimethylbenzene	10.847	105	21504	0.256	ug/L	88
64) 1,3-Dichlorobenzene	11.117	146	18092	0.299	ug/L	92
65) 1,4-Dichlorobenzene	11.201	146	18490	0.296	ug/L	94
67) 1,2-Dichlorobenzene	11.570	146	18879	0.343	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.371	75	772m	0.215	ug/L	
69) 1,3,5-Trichlorobenzene	12.577	180	13878	0.304	ug/L	95
70) 1,2,4-trichlorobenzene	13.201	180	9791	0.281	ug/L	86
71) Naphthalene	13.442	128	10647	0.248	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.676	180	8965	0.288	ug/L #	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

